

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. **(currently amended)** A light source apparatus for a vehicle headlight, comprising:
 - a base;
 - a plurality of LED elements located adjacent the base; and
 - a light shielding device located adjacent the base and formed in the shape of a light distribution pattern, wherein the LED elements are arranged in such a manner as to correspond to the shape of the light shielding device, and in such a manner as to form an emission shape suited for a light distribution pattern for a vehicle headlight, and at least some of the LED elements are arranged along a given ridgeline, wherein
 - the given ridgeline extends substantially parallel with at least a portion of an edge of the light shielding device, at least one of the LED elements is different in size as compared to another of the LED elements, and at least a relatively smaller one of the LED elements is located closer to the edge of the light shielding device than at least a relatively larger one of the LED elements.
2. **(original)** The light source apparatus for a vehicle headlight according to claim 1, wherein each of the LED elements is substantially rectangular in exterior shape.
3. **(currently amended)** A light source apparatus for a vehicle headlight, comprising:
 - a base;
 - a plurality of LED elements located adjacent the base; and

a light shielding device located adjacent the base and formed in the shape of a light distribution pattern, wherein the LED elements are arranged in such a manner as to correspond to the shape of the light shielding device, and in such a manner as to form an emission shape suited for a light distribution pattern for a vehicle headlight, and at least some of the LED elements are arranged along a given ridgeline, wherein

the given ridgeline extends substantially parallel with at least a portion of an edge of the light shielding device, and

each of the LED elements is substantially triangular in exterior shape.

4. (canceled)

5. (previously presented) The light source apparatus for a vehicle headlight according to claim 1, further comprising:

a drive device capable of supplying different drive currents to the LED elements, wherein at least one of the LED elements is driven by a different drive current as compared to another of the LED elements.

6. (canceled)

7. (previously presented) The light source apparatus for a vehicle headlight according to claim 1, wherein at least another of the LED elements is arranged along a second ridgeline.

8. (previously presented) The light source apparatus for a vehicle headlight according to claim 7, wherein the given ridgeline and the second ridgeline are at a given angle with respect to each other, and the given angle is between approximately 15 and 45 degrees.

9. **(original)** The light source apparatus for a vehicle headlight according to claim 1, wherein the base includes at least one cavity and the plurality of LED elements are mounted in the at least one cavity located in the base.
10. **(original)** The light source apparatus for a vehicle headlight according to claim 1, wherein each of the LED elements is arranged in such a manner as to form a brightness distribution suitable for a vehicle headlight.
11. **(canceled)**
12. **(original)** The light source apparatus for a vehicle headlight according to claim 1, wherein each of the LED elements is substantially parallelogrammic in exterior shape.
13. **(previously presented)** A vehicle headlight, comprising:
the light source apparatus according to claim 1; and
a projection lens arranged such that a focus of the projection lens located in the direction of the light source apparatus is located in the vicinity of the light shielding device, wherein the projection lens is configured to irradiate forward the shape of an emission portion of the light source apparatus cut off by the light shielding device.
14. **(currently amended)** A light source, comprising:
a base;
a plurality of LED elements located adjacent the base and formed in a non-symmetrical array such that light emitted from the LED elements forms a light distribution pattern, wherein the light source has an optical axis located at a position in the substantial center of the array of LED elements and along which light is directed from the LED elements, and the array of LED elements is non-symmetrical about the optical axis, wherein

uppermost LED elements of the entire array of LED elements are arranged in two linear rows, the rows being arranged at a given angle with respect to each other, and the given angle is between approximately 15 and 45 degrees.

15. **(original)** The light source according to claim 14, wherein each of the LED elements is substantially rectangular in exterior shape.

16. **(original)** The light source according to claim 14, wherein each of the LED elements is substantially triangular in exterior shape.

17. **(original)** The light source according to claim 14, wherein at least one of the LED elements is different in size as compared to another of the LED elements.

18. **(original)** The light source according to claim 14, further comprising:
a drive device capable of supplying different drive currents to the LED elements, wherein at least one of the LED elements is driven by a different drive current as compared to another of the LED elements.

19. **(original)** The light source according to claim 14, further comprising:
a resin formed on a top surface of the base and over the LED elements.

20. **(canceled)**

21. **(previously presented)** The light source apparatus for a vehicle headlight according to claim 1, wherein each of the LED elements is substantially square in exterior shape.

22. **(previously presented)** The light source according to claim 14, wherein the base includes at least one cavity and the plurality of LED elements are mounted in the at least one cavity located in the base.
23. **(previously presented)** The light source apparatus for a vehicle headlight according to claim 5, wherein at least one of the LED elements is different in size as compared to another of the LED elements.
24. **(previously presented)** A vehicle headlight, comprising the light source apparatus according to claim 5, and
a projection lens arranged such that a focus of the projection lens located in a direction of the light source apparatus is located on an optical axis of the light source apparatus.
25. **(previously presented)** A vehicle headlight, comprising the light source apparatus according to claim 14, wherein
a portion of the LED elements is formed on a ridgeline, and
a projection lens is configured such that a focus of the projection lens is located on the ridgeline.
26. **(previously presented)** A vehicle headlight, comprising the light source apparatus according to claim 7, and
a projection lens arranged such that a focus of the projection lens located in a direction of the light source apparatus is located in the vicinity of an intersection of the given ridgeline and the second ridgeline.
27. **(previously presented)** The light source apparatus for a vehicle headlight according to claim 1, wherein at least one of the LED elements is polygonal in exterior shape.

28. **(previously presented)** The light source apparatus for a vehicle headlight according to claim 5, wherein at least one of the LED elements is parallelogrammic in exterior shape.
29. **(previously presented)** The light source apparatus for a vehicle headlight according to claim 5, wherein at least one of the LED elements is substantially square in exterior shape.
30. **(previously presented)** The light source according to claim 14, wherein at least one of the LED elements is parallelogrammic in exterior shape.
31. **(previously presented)** The light source according to claim 14, wherein at least one of the LED elements is substantially square in exterior shape.
32. **(previously presented)** The light source according to claim 14, wherein at least one of the LED elements is substantially polygonal in exterior shape.
33. **(canceled)**
34. **(previously presented)** The light source according to claim 14, wherein at least some of the LED elements are located along a ridgeline.
35. **(canceled)**
36. **(previously presented)** The light source apparatus for a vehicle headlight according to claim 5, wherein the light source apparatus has an optical axis, a horizontal light distribution axis perpendicular to the optical axis, and a vertical light distribution axis perpendicular to both the optical axis and the horizontal light distribution axis, and the given ridgeline extends at an angle

with respect to the horizontal light distribution axis.

37. **(new)** A light source, comprising:

a base;

a plurality of LED elements located adjacent the base and formed in a non-symmetrical array; and

a light shielding device located adjacent the base and configured to cut off light from the LED elements into the shape of a low beam light distribution pattern, the light shielding device having a first edge and a second edge extending diagonally from the first edge; and

wherein one side of each of at least some of the LED elements is arranged in parallel with the first edge of the light shielding device; and

the light source has a center bottom portion having a higher brightness portion as compared to other portions of the light source.

38. **(new)** The light source of claim 37, wherein one side of at least some other of the LED elements is arranged in parallel with the second edge of the light shielding device.